Airway pressure sensors

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1 General

If repair is necessary, replace the complete faulty airway pressure sensor.

1.1 Testing the airway pressure sensors

Check airway pressure sensor in chapter “Repair Instructions”, section “External service mode with personal computer”.

1.2 Replacing the airway pressure sensors

The description “Replacing the airway pressure sensor (inspiration)” is similar to the description 1.2.1 Replacing the airway pressure sensor (expiration).

1.2.1 Replacing the airway pressure sensor (expiration)

1. Switch off the device.
2. Unplug the power plug from the socket-outlet.
3. Fold up the electronic assembly, see chapter “Repair Instructions”, section “Opening the device”.
4. Record the color of the cables that are connected to the faulty airway pressure sensor.
5. Unsolder the connecting cable from the airway pressure sensor (expiration), see Fig. 1.

6 Remove the screws (Fig. 1/1) from the airway pressure sensor (expiration), this also disconnects the ground connection (cable lug).

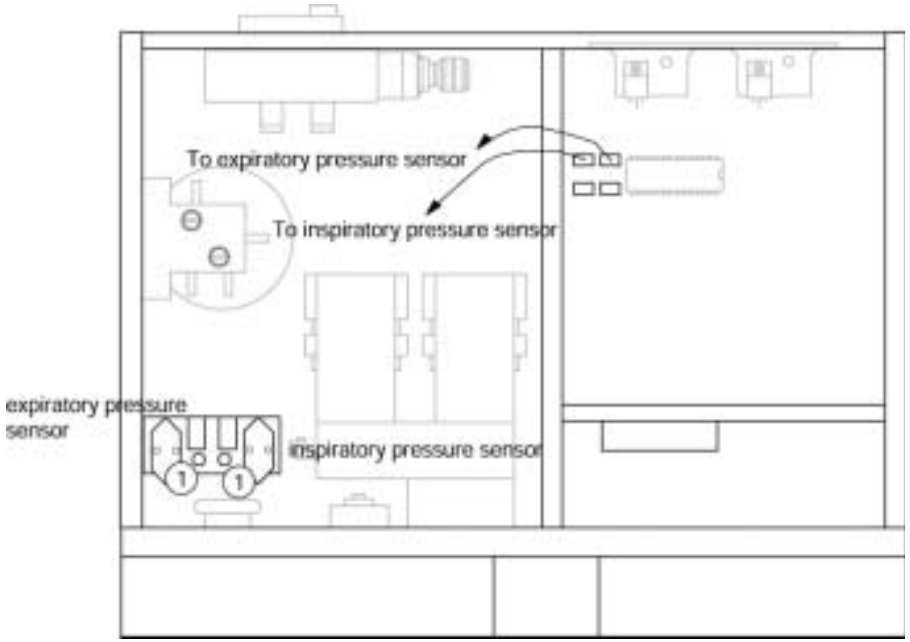

Fig. 1 Removing the airway pressure sensor

Faulty airway pressure sensors are special waste. Dispose of a faulty airway pressure sensor according to applicable waste disposal regulations.

7 Remove the faulty airway pressure sensor (expiration) from the device and dispose of according to applicable waste disposal regulations.

8 Secure the new airway pressure sensor to the pressure measuring block using the screws (Fig. 1/1).

9 Solder the cables to the new airway pressure sensor according to the previously recorded positions.

10 Fold the electronic assembly down and secure it to the basic unit using the screws.

11 Plug the power plug of the machine into the socket-outlet.

12 Switch the device on.

13 Calibrate the airway pressure sensors.

14 Perform “electrical safety tests” and “function tests” as described in the PMS procedure. For the USA and Canada: test according to CAN/CSA-22.2 No. 601.1-M90.

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